

Table 1 Main Loci- Assay used and Alleles Tested[^]

2D6	2C19	2C9	VKORC1	UGT1A1
Roche Amplichip *2 - *11, *15, *17, *19, *20, *29, *35, *36, *40, *41, *1XN, *2XN, *4XN, *10XN, *17XN, *35XN, *41XN (sets 1, 2, 3) ¹	Roche Amplichip *2 -*3 (sets 1, 2, 3)	AutoGenomics INFINITI *2 -*6, *11 (sets 1, 2, 3)	AutoGenomics INFINITI 3673, 5808, 6009, 6484, 6853, 7566, 8773, 9041 (sets 1, 2, 3)	AutoGenomics INFINITI *28, *36, *37 (sets 1, 2, 3)
AutoGenomics INFINITI *2- *10, 12, *14, *17, *29, *41, *XN (sets 1, 2, 3)	AutoGenomics INFINITI *2 -*10, *17 (sets 1, 2, 3)	Idaho Tech *2, *3 (sets 1, 2, 3)	Idaho Tech 3673 (sets 1, 2, 3)	LDT² PCR/CE³ *28, *36, *37 (set 3)
Luminex *2 - *12, *14, *15, *17, 41, *1XN, *2XN, *4XN, *10XN, *17XN, *41XN (sets 1, 2, 3)	LDT RFLP⁴ *2, *3 (set 1)	LDT TaqMan *2, *3, *5, *6, *8, *9, *11, *12 (set 1)	LDT Luminex 3673 (set 1, 2)	LDT PCR/CE *28, *36, *37 (set 2)
ParagonDx *2 - *7, *10, *17, *29, *35, *41, *1XN, *2XN, *4XN (set 1)	LDT TaqMan *2 -*9, *12 (set 1)	LDT Luminex *2, *3 (sets 1, 2)	LDT SnapShot 3673 (sets 1, 2, 3)	LDT PCR/CE *28, *36, *37 (set 1)
LDT SnapShot *2-*8, *10, *17, *2XN (set 1)	Luminex *2 -*8 (sets 1, 2, 3)	LDT SnapShot *2, *3, *5, *6 (sets 1, 2, 3)	Osmetech eSensor 3673 (sets 1, 2, 3)	Third Wave Invader *28, *36, *37 (sets 1, 2, 3)
		Osmetech eSensor *2, *3, *5, *6, *11, *14 -16 (sets 1, 2, 3)		

[^]all assays assume *1 if no mutations are detected¹indicates sample set(s) tested²LDT- Laboratory Developed Test³PCR/CE- Polymerase Chain Reaction/Capillary Electrophoresis⁴RFLP-Restriction Fragment Length Polymorphism

**Table W- alleles detected by method used
(sample sets assayed)**

Assay	all samples		Core	Set 2	Set 3
	UGT1A1	UGT1A1			
Autogenomics INFINITI	*1, *28, *36, *37 <i>(Autogenomics)</i>	*1, *28, *36, *37 <i>(Autogenomics)</i>	Autogeno mics INFINITI	*1, *28, *36, *37 <i>(Autogenomics)</i>	*1, *28, *36, *37 <i>(Autogenomics)</i>
LDT PCR/CE	*1, *28, *36, *37 (3) <i>(Buller)</i>	*1, *28, *36, *37 <i>(core)</i> <i>(Weck)</i>	LDT PCR/CE	*1, *28, *37 (2) <i>(Teletar)</i>	*1, *28, *36, *37 <i>(Buller)</i>
LDT PCR/CE	*1, *28, *37 (2) <i>(Teletar)</i>	*1, *28, *36, *37 <i>(Zehnbauer)</i>	Third Wave Invader	*1, *28, *36, *37 <i>(Zehnbauer)</i>	*1, *28, *36, *37 <i>(Zehnbauer)</i>
LDT PCR/CE	*1, *28, *36, *37 (core) <i>(Weck)</i>	alleles included <i>(red=1 lab)</i>	*1, *28, *36, *37	alleles included <i>(red=1 lab)</i>	*1, *28, *36, *37
Third Wave Invader	*1, *28, *36, *37 <i>(Zehnbauer)</i>				
alleles included <i>(red=1 lab)</i>	*1, *28, *36, *37				

(note this one is only FDA-cleared for *28- may have to have some explanation)

Table W- alleles detected by method used (sample sets assayed)

all samples

Assay	2C19
Roche Amplichip	*1 -*3 (Pratt, Farkas)
Autogenomics INFINITI	*2 -*10 (Autogenomics)
LDT RFLP	*1 -*3 (core) (Buller)
LDT TaqMan	*2 -*9, *12 (core) (Sander)
Luminex	*2 -*8 (Wu)
alleles included (red=1 lab)	*1-*9, *10, *12

Core

Assay	2C19
Roche Amplichip	*1 -*3 (Pratt, Farkas)
Autogenomics INFINITI	*2 -*10 (Autogenomics)
LDT RFLP	*1 -*3 (core) (Buller)
LDT TaqMan	*2 -*9, *12 (core) (Sander)
Luminex	*2 -*8 (Wu)
alleles included (red=1 lab)	*1-*9, *10, *12

Sets 2,3

Assay	2C19
Roche Amplichip	*1 -*3 (Pratt, Farkas)
Autogenomics INFINITI	*2 -*10 (Autogenomics)
Luminex	*2 -*8 (Wu)
alleles included (red=1 lab)	*1-*8, *9, *10

method used (sample sets assayed)

all samples

Assay	2C19	UGT1A1
Roche Amplichip	*1 -*3 (Pratt, Farkas)	
Autogenomics INFINITI	*2 -*10 (Autogenomics)	*1, *28, *36, *37 (Autogenomics)
LDT RFLP	*1 -*3 (core) (Buller)	
LDT TaqMan	*2 -*9, *12 (core) (Sander)	
Luminex	*2 -*8 (Wu)	
LDT PCR/CE		*1, *28, *36, *37 (3) (Buller)
LDT PCR/CE		*1, *28, *37 (2) (Teletar)
LDT PCR/CE		*1, *28, *36, *37 (core) (Weck)
Third Wave Invader		*1, *28, *36, *37 (Zehnbaumer)
alleles included (red=1 lab)	*1-*9, *10, *12	*1, *28, *36, *37

Assay	2C19	UGT1A1
Roche Amplichip	*1 -*3 (Pratt, Farkas)	
Autogenomics INFINITI	*2 -*10 (Autogenomics)	*1, *28, *36, *37 (Autogenomics)
LDT RFLP	*1 -*3 (core) (Buller)	
LDT TaqMan	*2 -*9, *12 (core) (Sander)	
Luminex	*2 -*8 (Wu)	
LDT PCR/CE		*1, *28, *37 (2) (Teletar)
Third Wave Invader		*1, *28, *36, *37 (Zehnbaumer)
alleles included (red=1 lab)	*1-*9, *10, *12	*1, *28, *36, *37

Assay	2C19	UGT1A1
Roche Amplichip	*1 -*3 (Pratt, Farkas)	
Autogenomics INFINITI	*2 -*10 (Autogenomics)	*1, *28, *36, *37 (Autogenomics)
Luminex	*2 -*8 (Wu)	
LDT PCR/CE		*1, *28, *37 (2) (Teletar)
Third Wave Invader		*1, *28, *36, *37 (Zehnbaumer)
alleles included (red=1 lab)	*1-*8, *9, *10	*1, *28, *36, *37

Assay	2C19	UGT1A1
Roche Amplichip	*1 -*3 (Pratt, Farkas)	
Autogenomics INFINITI	*2 -*10 (Autogenomics)	*1, *28, *36, *37 (Autogenomics)
Luminex	*2 -*8 (Wu)	
LDT PCR/CE		*1, *28, *36, *37 (3) (Buller)
Third Wave Invader		*1, *28, *36, *37 (Zehnbaumer)
alleles included (red=1 lab)	*1-*8, *9, *10	*1, *28, *36, *37

(note this one is only FDA-cleared for *28- may have to have some explanation)

Table W- alleles detected by method used (sample sets assayed)

all samples			Core	Set 2	Set 3
Assay	2C9	VKORC1	Assay	2C9	VKORC1
Autogenomics INFINITI	*2-*6, *11 (Autogenomics)	3673, 5808, 6009, 6484, 6853, 7566, 8773, 9041 (Autogenomics)	Autogenomics INFINITI	*2-*6, *11 (Autogenomics)	3673, 5808, 6009, 6484, 6853, 7566, 8773, 9041 (Autogenomics)
Idaho Tech	*1 - *3 (Idaho Tech)	3673 (Idaho Tech)	Idaho Tech	*1 - *3 (Idaho Tech)	3673 (Idaho Tech)
LDT TaqMan	*2, *3, *5, *6, *8, *9, *11, *12 (Core) (Sander)		LDT TaqMan	*2, *3, *5, *6, *8, *9, *11, *12 (Core) (Sander)	
LDT Luminex Eragen	*1-*3 (Core, 2) (Teletar)	3673 (Core, 2) (Teletar)	LDT Luminex Eragen	*1-*3 (Core, 2) (Teletar)	3673 (Core, 2) (Teletar)
LDT SnapShot	*1-*3, *5, *6 (Pratt Buller)	3673 (Pratt Buller)	LDT SnapShot	*1-*3, *5, *6 (Pratt Buller)	3673 (Pratt Buller)
Osmotech eSensor	*1-*3, *5, *6, *11, *14 -16 (Yeo)	3673 (Yeo)	Osmotech eSensor	*1-*3, *5, *6, *11, *14 -16 (Yeo)	3673 (Yeo)
alleles included (red=1 lab)	*1-*3, *4, *5, *6, *8, *9, *11, *12, *14-*16	3673 (all others)	alleles included (red=1 lab)	*1-*3, *4, *5, *6, *8, *9, *11, *12, *14-*16	3673 (all others)